Vlad Isakov, Research Physical Scientist, in EPA's National Exposure Research Laboratory

Computational Exposure Division
Mailing Address

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Area of Expertise: Dr. Isakov's current research focuses on the development and testing through applications innovative approaches to model spatially and temporally resolved air quality concentrations in support of exposure and health studies.

Select Publications:

Isakov, V., T. Barzyk, S. Arunachalam, M. Snyder, AND A. Venkatram. A Community-Scale Modeling System to Assess Port-Related Air Quality Impacts. Chapter 63, Air Pollution Modeling and its Application XXIV. Springer International Publishing AG, Cham (ZG), Switzerland, , 385-390, (2016).

Isakov, V., A. Venkatram, R. Baldauf, P. Deshmukh, AND M. Zhang. Evaluation and development of tools to quantify the impacts of roadside vegetation barriers on near-road air quality. 17th International Conference on Harmonization within Atmospheric Dispersion Modeling, Budapest, HUNGARY, May 09 - 12, 2016.

Chang, S., S. Arunachalam, M. Serre, AND V. Isakov. Fine-scale characterization of traffic-related mortality associated with exposure to PM2.5. A&WMA Air Quality Measurement Methods and Technology, Chapel Hill, NC, March 15 - 17, 2016.

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Education:

- M.S. Meteorology, South Dakota School of Mines and Technology, 1995
- Ph.D. Atmospheric Science, University of Nevada, DRI, 1998

Professional Experience:

- Research Physical Scientist, USEPA, ORD, NERL, 2008 - present
- Physical Scientist, Atmospheric Modeling Division NOAA/EPA, RTP, NC, 2004 - 2008
- Air Pollution Specialist, California Air Resources Board, Sacramento, CA, 2000 - 2004
- Scientific Subject Matter Specialist, DynTel Corporation, RTP, NC, 1998 - 2000
- Post-Doctoral Research Associate, Desert Research Institute, Reno, NV, 1998

Honors and Awards:

- ORD Honor Award, Bronze Medal, 2008, 2009, 2010, 2014
- Scientific and Technical Achievement Award (STAA) Level II, 2010; Honorable Mention, 2009, 2010, 2012, 2014, 2015
- NERL Exposure Science Excellence Award, 2014
- NERL Special Achievement Award, Goal 4 – Integrate Environmental Science and Technology to Solve Environmental Problems, 2009
- NERL Special Achievement Award, Goal 5 – Anticipate Future Environment Issues, 2006
- NRMRL Special Achievement Award, Goal 3 – Collaboration, 2010
- NRMRL Cross-Organizational Teamwork Award, 2007